

SYSTEM AND METHOD FOR ACQUIRING X-RAY DATA

Abstract of Disclosure

A system and method of acquiring x-ray data, comprising: acquiring a series of x-ray data for generating at least one x-ray image using an x-ray detector to receive x-ray beams from an x-ray source, wherein an object being imaged is displaced along an axis, the axis extending perpendicularly through a plane defined by the x-ray beams, wherein the displacement occurs at, at least one of a constant, accelerating, and decelerating rates; varying the rate of displacement thus enabling the x-ray detector to acquire data for at least one x-ray image during accelerating or decelerating displacement; and employing current modulation.

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